5.

Building Quality Restoration Program
1984 - 1988

Finance and Administration
Division

Alberta
EDUCATION

84- 3305 /

BUILDING QUALITY RESTORATION PROGRAM

1984 - 1988

School Buildings Services
Alberta Education
11160 - Jasper Avenue
Edmonton, Alberta
T5K 0L2

April, 1984

GOVERNMENT OF THE PROVINCE OF ALBERTA

DEPARTMENT OF EDUCATION

BUILDING QUALITY RESTORATION PROGRAM

PROGRAM STATEMENT

A. INTRODUCTION

The Building Quality Restoration Program (BQRP) includes the following categories which qualify for Provincial Government financial support:

1. Structural
2. Mechanical
3. Electrical
4. Code Requirements
5. Business Education Equipment Upgrading
6. Energy Conservation Measures
7. Other Approved Ministerial Programs

B. DURATION OF PROGRAM

The BQRP commenced on January 1st, 1984 and, except for business education equipment replacement, will end on December 31st, 1988. The business education category will terminate on December 31, 1986. The program will be reviewed annually and deletions from or additions to it may be made.

Code Requirements (Category 4) will be monitored on an annual basis and sections of this category may be terminated at the end of a given year.

School Boards receiving recognition of need in one calendar year will be given time to complete the projects in the following calendar year (see Time Chart in Appendix F).

C. OBJECTIVES

The Restoration Program is intended to assist School Boards in:

1. Improving the quality of the school environment and prolonging the life of the facility for educational use and the replacement of selected major components which have failed. (It is not intended to repair or replace components that have been damaged or rendered useless by acts of vandalism.)

2. Offsetting the costs involved as a result of the implementation of Regulations relative to the Alberta Worker Health, Safety and Compensation and the General Safety Services Division of Alberta Labour.

3. Replacing and upgrading business education equipment in order to meet current educational program requirements.

4. Replacing or adding to components which will result in energy conservation and subsequent cost savings. (Discretion must be used when comparing replacement or improvement costs with potential school life energy cost savings.)

D. GUIDING PRINCIPLES

1. The School Board Minute relative to the application(s) is to be quoted on the BQRP yearly summary sheet.

2. Each proposed project will be considered individually by the School Buildings Board. The Board will rule on what may be accepted for support and, designate maximum financial support prior to commencement of work. Department personnel will carry out initial, final and other necessary inspections and determine eligible costs up to designated maximums.

3. Fees will be considered for support in the total cost of the project(s), when external consultants for BQRP projects are deemed to be necessary by the School Buildings Board. For 1984 BQRP projects where external consultants are not employed, an administration fee equal to two percent of government support, (after application of the formula), to a maximum of $30,000 per jurisdiction will be granted. This fee will be calculated by the School Buildings Inspector, when he processes part "C" of the revised claim form 1304-1315-A-84.

4. No project may include any item for which support is otherwise available under provisions of the School Buildings Regulation 1984, nor will items of normal maintenance be included. Maximum support prices for proposed projects will include the distance allowance given in Appendix E.

5. Projects which received consideration for component upgrading under similar programs will be pro-rated, based on the date they last received support. If recognition of need given in any calendar year of the program is not acted upon, reapplication may not be considered until the second subsequent year. For work not completed or claims not made by the deadline, as indicated in the Time Chart (Appendix F), an application for an extension of time will be required. If an extension of time is not requested by December 31 of the year following the recognition, the project will be cancelled by the School Buildings Board.

6. The School Buildings Board may prioritize school board projects for funding in accordance with Provincial priorities.

E. PROCEDURE

1. The program guidelines describe the procedures to be followed to obtain support under this program. The categories are listed and school board applications should refer to them specifically. Submissions not completed in enough detail will be returned to the school board. Reapplication may be made for funding in the subsequent program.

2. When heating, water supply, or sewage disposal creates an emergency situation, the school board shall phone the BQRP Coordinator, prior to the commencement of work, and describe the problem. The Coordinator will prepare a report and submit it to the School Buildings Board. Subsequently, the school board will submit the pertinent application forms (Appendices A and B) and details, as soon as possible, for School Buildings Board review.

   When the school board proceeds with such repairs, these will be regarded as its own initial responsibility and does not necessarily commit the School Buildings Board to financial support.

3. Consultation is available prior to submission, and is recommended if difficulty arises with details of a specific category.

4. Application is to be made to the School Buildings Board only for projects which qualify specifically under this program.

5. A Building Quality Restoration Program Application Form (Appendices A and B) and all related materials are to be submitted in duplicate for each school and should show the items in order of priority. The requirements indicated on the application form must be fulfilled.

6. A Building Quality Restoration Program Summary Sheet (Appendices C and D) summarizing all BQRP submissions, is to be submitted in duplicate for the program year.

7. Submissions under the BQRP Capital Plan shall be made by:

   February 15, 1984 for 1984 Program Year
   June 30, 1984 for 1985 Program Year
   March 31, 1985 for 1986 Program Year
   March 31, 1986 for 1987 Program Year
   March 31, 1987 for 1988 Program Year

8. In the event that the program is oversubscribed the following priorities will be used:

   First priority will be given to projects designed to remediate health, safety or acute structural deficiencies in school buildings.

   Second priority will be given to projects designed to overcome immediate needs to preserve the quality of school buildings. Projects could include mechanical systems, electrical systems, codes, and structural deficiencies.

   Third priority will be given to projects designed to improve the quality of, electrical and mechanical components, and the aesthetics or architectural finishes of school facilities.

   Some funds will be earmarked for special purposes such as energy conservation, business education equipment upgrading and ministerially approved special projects.

9. After all submissions are received, school boards will be notified about projects that would qualify for BQRP support in a given program year. The summary sheet given in (Appendix C) will indicate the projects which qualify. This information may be used for budget purposes only. Official recognition must be received from the School Buildings Board before commencing the project.

10. When a modernization project is found to fit better into a BQRP category, it will be transferred to the BQRP with permission of the jurisdiction. When a modernization project fails to receive funding in any year because of low priority, and when it contains an element or elements that would normally be considered under BQRP guidelines, the jurisdiction will be given

30 days to resubmit the project for consideration as a BQRP project in the current year. Alternatively, the school board may choose to resubmit the project as either a modernization or BQRP project in the next planning cycle.

11. Inspections may be carried out prior to approval by the School Buildings Board. No support will be given unless approval precedes commencement of work and the work is carried out as approved.

12. The statement of claim form 1304-1315-A-84 will accompany the recognition of need letter. Upon completion of the total project, the school board completes Part "B" of the claim form and returns two copies to the Program Coordinator for processing. (It should be noted that combined costs are not acceptable. All items must be accounted for.)
The claim form will be forwarded to the Grants Administration Unit for payment following the final inspection.

13. Except for business education equipment, all applications should be forwarded to:

Mr. Fiore Berlin
Program Coordinator
Devonian Building,
9th Floor, West Tower
11160 - Jasper Avenue
Edmonton, Alberta
T5K 0L2

14. Forward business education equipment applications to:

Mr. A. A. Day,
Associate Director, Industrial Education
3rd Floor, West Tower
11160 - Jasper Avenue
Edmonton, Alberta
T5K 0L2

F. FINANCING

1. Approvals

School systems with less than 15,000 pupils are required to adhere to School Buildings Tendering Regulation (AR 333/77) for any one BQRP project item receiving more than $100,000 government support. (NOTE: A project could have several items in one school which total over $100,000. This section refers to one item only.)

- Obtain School Buildings Board approval for a project under BQRP (Section 105 of the School Act 1980).

- Arrange financing for the project(s).

- Submit to the School Buildings Services Branch the original tender or other scheme of construction for processing for Ministerial approval when the government support for a project item exceeds $100,000.00.

- Submission of a signed contract between the contractor and the school board, or the board's letter to the School Buildings Board indicating that the work has commenced on the project, will initiate the funding process.

2. Payments of Outright Grant

The procedures for the payment of advances will be as follows:

- One advance payment will be made per quarter on application form A0304 BQRP A-81 (see Appendix G) from the Secretary-Treasurer of the school jurisdiction. A quarter shall be the quarter of the Provincial Government fiscal year, as follows:

  - first quarter: April 1 to June 30
  - second quarter: July 1 to September 30
  - third quarter: October 1 to December 31
  - fourth quarter: January 1 to March 31

- (The first advances on projects approved for the 1984 program year will be made beginning April 1, 1984, on application from the Secretary-Treasurer. (See Appendix G)

- The advances will be based on projects which have been given recognition of need by the School Buildings Board and have been certified by the Secretary-Treasurer as having commenced.

- The advance will be equal to 50 percent of the estimated supported amount given in the recognition of need by the School Buildings Board, to a maximum of $100,000.00.

- Advances will be made on the building portion of BQRP.

- Claim submissions will be applied against outstanding advances. When sufficient claims have been submitted and processed to cover the advances paid then additional outright grant payments will be made, if the $100,000.00 maximum has not been reached.

- Upon completion of the total project fill out Part B according to the instructions on the back of the claim form 1304-1315-A-84. Return two copies to F. Berlin, Program Coordinator, School Buildings Services Branch. Following final inspection the forms will be submitted to Grants Administration Unit.

3. Borrowings

- Business Education equipment upgrading will be funded by an outright grant for the supported amount.

- Financing for other BQRP projects will be by outright grants for supported project costs to a maximum of $100,000 relative to all projects (excluding Business Education equipment upgrading) approved for that program year. If the total estimated supported costs exceed $100,000 in a program year, no outright grant will be available and the full amount must be financed by debenture borrowing.

- The unsupported costs may be financed by debentures, short-term loans or current operating fund.

4. Debenture Funding Procedures

The following procedures are to be followed by school boards when applying for debenture funds:

- The initial debenture will represent 50 percent of the estimated costs of approved individual project items in a school(s) for which notification has been received that work has commenced.

- The board should indicate project items and estimated costs when applying for the debenture.

- Further debenture advances will be processed up to 75 percent of the estimated costs of approved individual project items in a school(s) for which notification has been received that 75 percent of the work has been completed.

- The final debenture issue amount, will be based on the final claim (Form #1304-1315-A-84) submissions to the Finance and Administrative Services Branch and its determination of supported based on these submissions.

- Financing should be arranged well in advance with the School Business Administration Services Branch in order to avoid difficulties.

- Please refer to Page 5 for final claim procedures.

G. CATEGORIES OF PROJECTS

1. STRUCTURAL

a. Roof

Replacement of entire, or major part of a roof membrane and damaged insulation because of failure (patching or repairs are not supported). A roofing consultant's (not a roofer) report on the condition of the existing roof must be included with the submission. Existing membrane and gravel must be removed to the insulation or deck in order to receive support. Supported items include:

- Roof sections of 140 m^2 (15 squares) or more
- Complete portable classroom roofs
- Removal of skylights in conjunction with new roofing
- Control joints
- Additional roof drains if required to prolong the life of the building
- Tying roof drains to storm sewers
- Additional roof insulation up to R-12* (in conjunction with roof replacement)
- Additional roof insulation over R-12* (in conjunction with roof replacement and accompanied by an Engineer's report on Roof Load). Additional weight factors on supporting structures should be studied and should conform to the Alberta Building Code
- Double pour and gravel (in conjunction with roof replacement)
- Replacement of deteriorated decking (in conjunction with roof replacement)
- Redesign of perimeter flashing

Not Supported are:

- Roof maintenance
- Resaturation
- Cap sheet
- Repairs to flashing
- Repairs to skylights
- Repairs to roof drains

* R value measured from the underside of the decking.

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

Consultant's Report to Include:

(i) Description of roof system (to be determined by cut test)

- Age of existing roof section(s)
- Total roof area
- Affected roof area(s)
- Surface membrane
- Insulation
- Vapor barrier
- Roof deck

(ii) Existing conditions

(iii) Recommendations

b. Windows and Glass Block

Replacement of:

- Deteriorated sash and/or frames. Must be major portion of area involved

- Sealed units (not broken) that have failed may be supported for replacement with sealed units, if more than 60 percent of the section is involved

Blocking out of windows and/or glass block (including the installation of new vent sash) due to excessive heat loss or solar heat build up or failure of glass block or windows

Not Supported are:

- Window maintenance
- Individual window units
- Window hardware
- Broken glass
- Damage due to vandalism
- Sun screening
- Solar film

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

c. Floor Covering

Replacement of:

- Existing floor covering due to failure
- Battleship lino (regardless of condition)
- Hardwood floors in classrooms to a more suitable floor covering
- Tile and lino in library (regardless of condition)
- Gymnasium flooring to acceptable standards
- Stair treads

Installation of:

(i) Carpet
- in approved library areas
- open teaching areas over 185 m^2
- administration areas
- band rooms and music rooms
- recognized ECS rooms
- special education classrooms

Age Factor -
- 10 years or more at equity support
- Under 10 years, by pro-ration on 10 years, at equity support

(ii) Floor Coverings in Other Areas (including gym floors)

Age Factor -
- 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

(iii) Carpet in any area other than as specified in Item (i), support [illegible] 2/3 of Item (ii)

Not Supported are: - Refinishing of hardwood floors

d. Major Structural Components

Replacements because of failure:

- foundations
- structural members
- sub-floors and joists
- areas vital to the structural stability of the building
- weeping tile including waterproofing

Age Factor - 25 years or more at equity support
- Under 25 years, by pro-ration on 25 years, at equity support

e. General Interior Upgrading

(i) Total plant or sections of buildings and/or washrooms, shower rooms, corridors and gyms. In total or as separate items:

- Upgrading of ceilings to acceptable standards
- Upgrading of walls to acceptable standards
- Lowering of ceilings (of 3.35 m or over)
- Replacement of doors and millwork
- Replacement of chalkboards and tackboards
- Replacement of built in cabinets (only in conjunction with general upgrading)
- Acoustical treatment for specified needs
- Installation or replacement of lockers
- Hardware (only in conjunction with recognized door replacement)
- Fibreglass shower stalls
- Providing storage closets in classrooms
- Shower & toilet partitions
* - Provisions for the handicapped

Not Supported are:

- Painting
- Individual doors (except under code)
- Replacement of metal shower cabinets with metal shower cabinets
- Enlarging of any area (this is considered under School Buildings Regulation)
- Repairs to lockers
- Lockers in shower and dressing rooms
- Boot racks

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

* Age Factor - 5 years or more at equity support
- Under 5 years, by pro-ration on 5 years, at equity support

f. General Exterior Upgrading

(i) Component Replacement
Replacement because of failure and would include:

- Exterior doors and frames
- Exterior hardware (only in conjunction with recognized door replacement)
- Soffits and fascia
- Exterior finish
- Chimneys
- Steps, landings and sidewalks
- Replacement of canopies
- Eavestroughs, downspouts and splashpads
* - Provisions for the handicapped

Not Supported are:

- Relining chimney
- Fencing and playground equipment
- Stucco repairs
- Painting

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

* Age Factor - 5 years or more at equity support
- Under 5 years, by pro-ration on 5 years, at equity support

(ii) Complete Exterior Upgrading (Where Interior Modernization is not considered)

- Projects to improve the aesthetics of school exteriors which will have the effect of making the building more acceptable to the community

- Clad single block gymnasium walls

Age Factor - 25 years or more at equity support
- Under 25 years, by pro-ration of 25 years, at equity support

Projects will be ranked in order of priority. Exterior Upgrading will be based on age with buildings constructed prior to 1960 receiving highest priority.

(iii) Site Upgrading

- Positive drainage, building up grade elevations to a distance of 15 m from the building
- Sidewalks (where none exist)
- Tie in rain water leaders and surface water to storm sewers

Age Factor - 5 years or more up to a maximum of $10,000.00 per site at equity support.

2. MECHANICAL

a. Plumbing

(i) Replacement in whole or major part of system because of failure and will include:

- Basins and trim
- Toilets
- Urinals
- Drinking fountains
- Hot water heaters (commercial units)
- Water storage tank over 900 litres

Not Supported Are:

- Hand dryers
- Dispensers
- Hot water heaters (residential)
- Domestic fans

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

b. On Site Services

(i) Replacement in whole, or major part of system, because of failure and will include: (within school property only)
- water and sewer lines
- Replacement of natural gas lines due to certified failure

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

c. Water Supply and/or Sewage Disposal Systems (If failed or documented for replacement by an authorized agency of government)

- Drilling of new wells
- Providing of new dugouts for water reservoirs
- Replacement or enlargement of sewage lagoons
- New Nodak sewage piles
- New sewage disposal fields
- New septic tanks if required
- Cisterns

Not Supported are:

- Repairs to septic tanks
- Replacement or repairs to sewage or water pumps except in conjunction with complete new system
- Maintenance on any of the above system

Age Factor - Minimum age 5 years
- Over 5 years, at equity support

d. Heating Systems (If failed or considered inadequate)

(i) (a) Forced Air Systems (Furnace failure must be documented by a recognized authority, preferably the Gas Protection Branch)

Eligible for Support:

- Heating systems (complete)
- Furnaces
- Enlargement of system, if required
- Replacement of oil fired units to natural gas units
- Replacement of obsolete conversions
- Modifications to existing systems
- Ducting
- Zoning
- Complete flue if existing has failed

Not Supported are:

- Individual control valves or thermostats as separate items
- All fittings as separate items
- Maintenance
- Flue repairs

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

(b) Heat Exchangers (Because of certified failure)

Age Factor - 10 years or more at equity support
- Under 10 years, by pro-ration on 10 years, at equity support

(ii) Steam, Hot Water

Boiler replacement because of failure or obsolescence

Eligible for Support:

- Boiler replacement
- Distribution lines
- Zoning, if necessary
- Major repairs which may include:
  - Complete retubing
  - Replacement of cast iron sections
  - Cutting off water legs
  - Replacement of stay bolts
- Enlargement of system (mechanical consultant's report required)

Boiler failure and major repairs must be documented by the Boilers Branch, Alberta Labour

Not Supported are:

- Fire brick relining
- Boiler water treatment apparatus
- Circulating pumps
- Expansion tanks and flash tanks
- Existing controls on the boiler and repairs to same
- New burners (except as in Category No. 2f Conversions)
- Maintenance or replacement of existing valves

Age Factor - 25 years or more at equity support
- Under 25 years, by pro-ration on 25 years, at equity support

(iii) Redesign of inadequate heating systems if considered economically feasible (mechanical consultant's report required)

Age Factor - 35 years or more at equity support
- Under 35 years, by pro-ration on 35 years, at equity support

e. Air Circulation Systems (to conform to Alberta Buildings Standards)

(i) Complete Ventilation System
Total plant or section or building

Age Factor - 35 years or more at equity support
- Under 35 years, by proration on 35 years, at equity support

(ii) Ventilation (General)

- Gymnasium
- Library
- General instructional areas
- Science laboratories and preparation rooms
- Ancillary
- Lunch study
- Washrooms and dressing areas
- Administration area
- Upgrading of existing ventilating system

Not Supported are:

- Air conditioning
- Installation of domestic fans

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

(iii) Local Exhaust Systems (Including Make-Up Air Units) for Specific Areas (To conform to Occupational Health and Safety Standards)

- Photographic darkrooms
- Carpentry
- Automotives
- Welding
- Plastics
- Duplicating room
- Pottery and ceramics
- Fine Arts laboratories
- Science fume hoods

(Complete Mechanical consultant's drawings required)

Consultation with Occupational Health and Safety is recommended.

Age Factor - Minimum age 5 years
- Over 5 years, at equity support

f. Conversions

Conversions of existing heating systems to natural gas, existing private water supply and/or sewage systems or private electrical systems to readily available public systems are included and will include valid on-site costs only. Not included are meters or costs of joining the utility system, such as co-operative membership.

Age Factor - Minimum age 5 years
- Over 5 years, at equity support

3. ELECTRICAL

- Replacement of one incandescent fixture by one fluorescent fixture in non-instructional areas

- Replacement of obsolete fluorescent fixtures, (starter-type, unprotected ballast, instant start, old egg crate fixtures with discoloured lens older than 15 years) as follows:

  - Up to one 1200 mm fluorescent tube per 2 m^2 in classrooms and instructional areas

  - Up to one 1200 mm fluorescent tube per 4 m^2 in gyms

- Increase fluorescent fixtures as follows:

  - Up to one 1200 mm fluorescent tube per 2 m^2 in classrooms and instructional areas

  - Up to one 1200 mm fluorescent tube per 4 m^2 in gyms *

  (Replacement of obsolete fixtures should be considered at this time)

- Additional outlets (interior only)
- Increase main service (consultant's report required)
- New distribution panels, if required
- New wiring
- Transformers (unless utility owned)
- 3 phase for required areas

Not Supported are:

- Drama lighting
- Inter-com systems
- Car plug-ins
- Exterior flood lighting

Age Factor - 20 years or more at equity support
- Under 20 years, by pro-ration on 20 years, at equity support

* This support may be used toward the installation of other energy efficient lighting, e.g. high pressure sodium or metal halide fixtures

4. CODE REQUIREMENTS (Subject to Annual Review)

All applications under this category must be accompanied by an approved plan to overcome the deficiency of the code requirement and must be signed by the Alberta Government authority governing that particular section, before consideration for support will be given by the School Buildings Board. (Items that qualify under other specific categories will not be considered under this category.)

Age Factor - Minimum age 5 years
- Over 5 years, at equity support

Procedure to be followed when applying for support under this category:

- Inspectors of respective agencies will issue a report to a school jurisdiction regarding breaches of code requirements.

- The school jurisdiction should appeal directly to the specific Provincial Department if it feels that the requirements in the report are unreasonable.

- The school jurisdiction will consider the inspection report(s), and present a plan for correction of the breach of code requirements to the specific Provincial Department for approval.

- The school jurisdiction will then submit an inspector's report(s), the plan of action for the correction of the deficiency (already approved by the specific Provincial Department), a cost estimate and a completed application Form (see appendices A, B, C and D) to the School Buildings Board for its consideration.

- After approval, the School Jurisdiction will perform the work and upon completion of the total project fill out part B as instructed on the back of the claim form 1304-1315-A-84 and return two copies to the Program Coordinator, School Buildings Services Branch. The claim form will be forwarded to the Grants Administration Unit for payment following the final inspection.

Code Requirements Considered

a. Fire Prevention Branch

Supported items:

(i) Service rooms, storage rooms and closets, janitor's closets, etc.

- Fire rate or replace walls and ceilings
- Fire rate or replace doors and frames
- Installation of automatic self-closing devices on doors

(ii) Means of egress:

- Enclose and/or fire rate vertical exit stair shafts, including doors and automatic self-closers
- Installation of approved illuminated exit signs (directional where necessary)
- Classroom to corridor fire rated separations
- Emergency lighting for all means of egress
- Reduction of flame spread ratings in means of egress
- Fire rated separations between floors
- Required panic hardware on exit doors, where no panic hardware exists

(iii) Fire Alarm and Automatic Fire Detection Systems:

- Installation or upgrading of fire alarm systems (Break glass stations, bells, etc.)
- Verification of fire alarm system (copy of certificate required)
- Annunciator panel for fire alarm systems
- Emergency power supply for fire alarm systems
- Smoke detectors/heat detectors
- Magnetic hold-open devices (although magnetic hold-open devices are not a code requirement they will be considered as an alternate).

(iv) Fire Protection:

- Installation of automatic fire extinguishing systems
- Installation of standpipe and hose systems

The following will not be supported:

- Fire detectors in libraries
- Gas leak detectors
- Emergency-powered exit lights (in locations where existing exit lights are acceptable)
- Replacement of existing hardware
- Drywall for underside of stage
- Fire extinguishers
- Recharging fire extinguishers
- Fire hose and nozzles

- Flammable liquid containers
- Minor items of maintenance and repair
- Fireproofing drapes
- Exterior storage sheds
- Expendable items and equipment
- Fire lanes

NOTE: Submit plans for correction to the Provincial Fire Prevention Branch.

b. Boilers Branch

- Installation of required safety devices. Prior approval of plans not required by the Boilers Branch; however, the Boilers Branch instructions to owners (Form 1709-16) must accompany the application

c. Gas Protection Branch

- Modifications of existing installations to meet current safety requirements

d. Electrical Protection Branch

- Modifications of existing installations to meet current safety requirements

e. Plumbing Inspection Branch

- Modifications of existing installations to meet current safety requirements

f. Occupational Health and Safety

- Enlargement of existing installations to meet current safety requirements

Not Supported Are:

- Repairs and maintenance of dust collectors, appliances and small equipment
- Minor breaches
- Modification of duct work

g. Alberta Building Standards

(i) Control of Asbestos:

If asbestos material is identified and exposure is likely to occur, corrective action should be taken. The presence of

asbestos-containing material should be reported to R. N. Massiah, Head, Field Services, Building Standards Branch, 707, 10808 - 99 Avenue, Edmonton (427-8265). An inspector from the Building Standards Branch will visit the school and make a written recommendation on which course of corrective action should be taken. Application with plan of correction and cost estimates should be submitted to School Buildings Services Branch if financial support is anticipated.

5. BUSINESS EDUCATION EQUIPMENT

A. ELEMENTARY AND JUNIOR HIGH SCHOOL COMPUTER PROJECT

A limited number of computers for instructional purposes for grades 1-9, will be provided. The funding will be based on a 50/50 cost-sharing formula between Alberta Education and school jurisdictions. This project will extend over a three-year period. The funding will be $15.00 per eligible pupil in grades 1-9, based on the September 30, 1983 enrolement.

B. SENIOR HIGH SCHOOL BUSINESS EDUCATION EQUIPMENT UPGRADING

Business Education Equipment Upgrading will be spaced over a three-year period. It will be funded on a 50/50 cost-sharing formula between Alberta Education and local school jurisdictions. The allocation of grants will be based on the percentage of eligible senior high school students served in Business Education by laboratory course.

The funding will be approximately $365.00 per eligible student registered in Senior High School Business Education laboratory courses.

(Further details on both the Grades 1-9 and the Senior High School programs will be distributed to schools as soon as procedures for the project are finalized. Enquiries may be directed to Mr. A.A. Day at 427-2980)

6. ENERGY CONSERVATION MEASURES (Items that qualify under other specific categories will not be considered under this category.)

- insulation of hot water or steam piping and hot air ducts

- addition of a second set of doors to form a vestibule entrance
- installation of low leakage fresh air dampers
- installation of water saving devices on urinals
- installation of timer devices for automatic on/off control of equipment
- installation of outdoor temperature sensors for override control of equipment
- installation of controls to reset air or hot water temperature for boilers and fans
- installation of load analyzer controls to control equipment operation
- installation of day/night setback thermostats
- addition of control valves on hot water or steam distribution systems
- addition of switches or photocells for separate or multilevel lighting control
- installation of suspended ceiling fans in high ceiling areas
- installation of time and temperature controls for parking plugs
- insulation in attic type roofs*
- installation of air or liquid type heat recovery system to remove exhaust air heat and transfer to incoming fresh air*
- installation of a computerized energy management system to provide demand limiting and other functions not available using conventional controls**

Not Supported Are:

- infrared thermographic scans
- roof insulation and exterior wall insulation (see Category No. 1.)
- weatherstripping
- caulking
- solar film for windows
- three-phase power distribution
- power factor correction capacitors
- water savers on showers and faucets

Age Factor - Minimum age 7 years
- Over 7 years, at equity support

* Design report required from the regional energy consultant or engineering consultant, indicating the expected payback period.

** Limited to high school exceeding 5000 square meters gross area and a maximum support level of $1.00 per square meter. Listed schools in order of priority.

7. OTHER APPROVED MINISTERIAL PROGRAMS

This category is included to accommodate specific projects or programs that may be added during the year.

Appendix "A" BQRP-A-84

BQRP

APPLICATION FORM

Submit Application Forms and All Related Material in Duplicate. Please refer to Instructions on the Back of this page

PROGRAM YEAR 19____

CHOOL JURISDICTION _____ NO._____

CHOOL NAME _____ LOCATION_____

ch. Board riority lumber	BQRP Cate-gory	Proposal (Specific details required) List Proposals in order of Priority	Age of * Construc-tion	Cost Estimate
			Total	$

cretary-Treasurer_____ Date _____ 19_____

Age of that section of building in which the proposed project is being considered, or year that this component last received funds under a similar BQRP.

rward applications and all related material to: Program Coordinator School Buildings Services Branch.

Appendix "B"

Application Procedures

INSTRUCTIONS

1. Applications to be submitted in metric.
2. Append in duplicate any details that may assist the School Buildings Board in fully understanding the proposal.
3. Sketch Plans of the entire school showing area involved must be attached.
4. Submissions under Category 1 (b) must be identified on an elevation of the area(s) involved.
5. Submissions under Category 4 must be documented by the pertinent Provincial Code Authority.
6. Complete cost estimate details to be appended to the application form.
7. Roof applications must be accompanied by a Roofing Consultant's (not roofer) Report.

NOTE: Submissions not completed in detail will be returned and reapplication may be made in the following year.

Enquiries about any of the programs may be directed to:

General - Fiore Berlin

Energy - Dana Sundmark

Code - Trevor Gough

Construction Inspectors

William Belous

Jim Johnson

Trevor Gough

Ed. Pardely

All the staff members listed may be contacted at 427-2973.

REVISED
BQRP-S-84

Appendix "C"

YEARLY SUMMARY SHEET

Submit Summary Sheet and All Related Material in Duplicate. Please refer to Instructions on the Back of this page

PROGRAM YEAR 19____

CHOOL JURISDICTION _____ NO._____

SCHOOL BOARD USE (Complete All Columns)							Dept. Use Only	
School Name (List Alphabetically)	Identification of Project	Overall Local Priority	Provincial Priority	Estimated Government Support	Estimated Local Cost	Total	Meets Priority	Estimated Government Support*
b-totals for this sheet				$	$	$		$
tal for Your Jurisdiction (last sheet)				$	$	$		$

hool Board Motion: (Please Quote)

Secretary-Treasurer _____ Date_____19___

For budget purposes only. Official recognition must be received from the School Buildings Board before commencing the project.

APPENDIX "D"

Instructions for Completing Yearly Summary Sheet

This summary sheet will be reviewed by Branch personnel and returned with the columns "for Department use only" filled in. The School Board can then use this information for budget purposes.

It should be noted that official recognition of need must be received from the School Buildings Board before commencing work as projects that are identified as meeting the priority list may be eliminated for other reasons.

FORMULA FOR ESTIMATING THE LEVEL OF GOVERNMENT SUPPORT

$ _____	x	_____	x	_____	= $ _____
School Board Estimate Including Consultants Fees		Age Factor When Applicable		Equity Factor	Maximum Support

Calculation of Age Factor

- The age of this section of building or the age this project last received BQRP support divided by the age factor as specified under the specific category. This figure will not exceed one.

Calculation of the Equity Factor (1 - 0.15e)

- District Equalized Assessment per Resident Pupil------
- Provincial Equalized Assessment per Resident Pupil-----
- e (District assessment divided by Provincial assessment)---
- Equity Factor = (1 - 0.15e)----------

The Equity Factor will not be less than .85 or more than .97.

Should clarification be required in completing this form, please contact Mr. Fiore Berlin, Program Coordinator at 427-2973 in Edmonton.

APPENDIX "E"

DISTANCE (BY AIR) ALLOWANCES FOR BQRP SUPPORT PRICES

0 - 40 kilometres	0% increase
40 - 120 kilometres	4%
121 - 200 kilometres	8%
201 - 280 kilometres	12%
281 - 360 kilometres	16%
Over 360 kilometres	20%

ADDRESSES OF FIRE PREVENTION BRANCH REGIONAL OFFICES

The regions are as follows:

All area North of and including
County of Parkland
County of Strathcona
County of Beaver
County of Minburn
County of Vermilion River
City of Edmonton

Mr. George Musa
Alberta Labour
Fire Prevention Branch
303 Princeton Place
10339 - 124 Street
EDMONTON, Alberta
T5N 3W1 (427 4853)

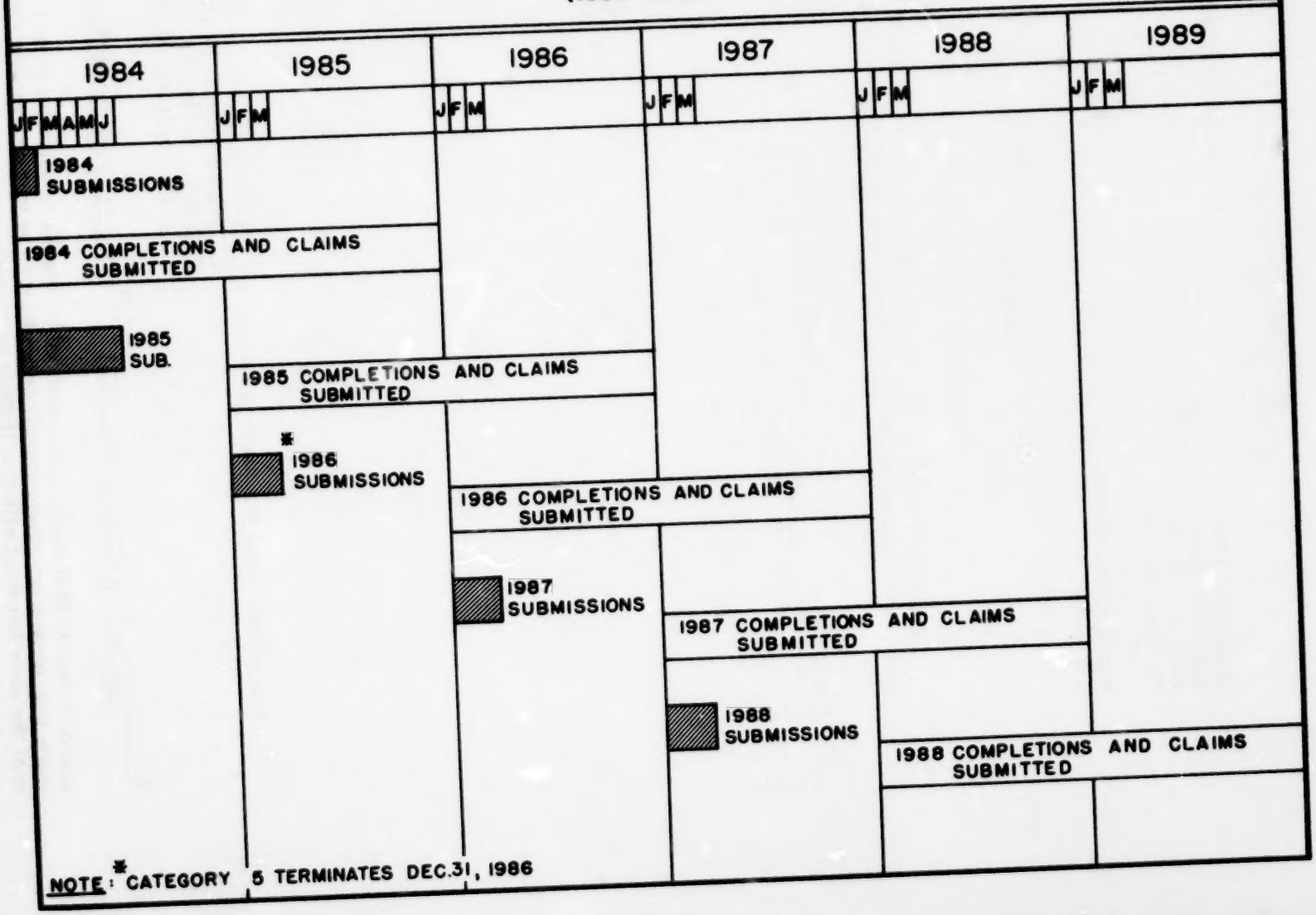
All areas South of and including
County of Wetaskiwin
County of Camrose
County of Flagstaff
Wainwright School Division

Mr. D. Thomas
Alberta Labour
Fire Prevention Branch
Suite #3, 200
1212 - 31 Avenue NE
CALGARY, Alberta
T2E 7S8
(261 6317, 261 7318)

APPENDIX "F"

BQRP - 5 Year Program

(1984-1988)



APPENDIX "G"

To: Director of Finance
and Administrative Services
Alberta Education
Devonian Building
11160 - Jasper Avenue
EDMONTON, Alberta
T5K 0L2

Form A0304-BQRP(A)-81

APPLICATION FOR BQRP ADVANCES

(Submit only one form for each quarter)

Following is a list of 19___ projects approved under the Building Quality Restoration Program for which we are applying for an advance.

Project No. Per Recognition of Need	School Name	Estimated Supported Amount Per Recognition of Need	Date Work Commenced on Project

This advance is for the quarter (check one)
- ☐ April 1 to June 30, 19___
- ☐ July 1 to Sept. 30, 19___
- ☐ Oct. 1 to Dec. 31, 19___
- ☐ Jan. 1 to March 31, 19___

I_____ of _____
(Signature of Secretary-Treasurer) (Name of School Jurisdiction)

solemnly declare that work has commenced on the above noted projects, and I make this declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.